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## Patent Abstracts of Japan

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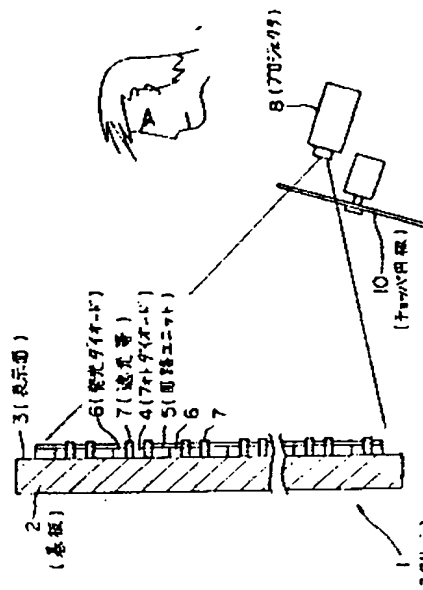
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APPLICATION NUMBER : 62263238

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : KAMIKUBOTA MASAFUMI;

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TITLE : ACTIVE SCREEN



ABSTRACT : PURPOSE: To project a sharp image even in a light place by photodetecting an image projected on a screen by a light receiving element and connecting a light emitting element so that light is emitted according to the quantity of received light.

CONSTITUTION: The screen 1 consists of photodiodes PD4, light emitting diodes LD6, and circuit units 5 arrayed in quantities on a ceramic substrate 2 and a display surface in matrix. The units 5 connect the PDs 4 and LDs 6, and the current gains of the PDs 4 are amplified by amplifiers to drive the LDs 6. Therefore, the LDs 6 illuminate higher luminance in proportion to the quantities of light made incident on the PDs 4. A projector 8 which projects the image on the surface 3 is equipped with a chopper disk 10 having a slit and the disk rotates at a constant speed to project the image on the surface 3 intermittently at a specific frequency. The units 5 includes filter circuits which cut DC components, so the influence of external light can be removed, so the sharp image can be projected even in a light place.

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